

INDEX.

- A** BNEY, Capt. W. de W. In-
ternational Standard of
Weights 253
Reversals of Negatives . 31
Acceleration. Dr. Eder . . . 579
Adcock, William 92
Adolphe, F. Ignis Fatuus of Pho-
tography 324
Address to Inventors. E. T.
Fenwick 168
Agar-Agar, Editorial on . . . 427
Substitute for Gelatine . 394
Albany Camera Club' 37
Amateur Contest in Buffalo . . 587
Albumenized Papers, To Keep . 341
Aluminium-Making, Electricity in 15
Amateurs, Advice to 284
Amateur's Adventure, An . . . 533
Amateur Experiences. The Old
Teamster 24
A True Story 256
XII.—A Trip to the Sea-
Shore 416
XIII.—A Case Photo-
graphic 567
Amateur Photographic Society of
Baltimore 36
of New York, Awards of 584
Artistic Chromo-Photography . 318
Artistic Photography, The Aims
of 515
Astronomy, Modern 502
Spectroscopic 43
Auxiliary Lighting 455
Awards, New York Amateur So-
ciety 584
- B**ACKGROUND Incongruities 301
Bahamas, Photographic Trip
to the 222
Baltimore, The Amateur Photo-
graphic Society of . . 36
- Bartlett, John. Intensifier . . 120
Barnes, Cath. W. Illustration of
Poems by Photography 407
Bausch & Lomb Prize 333
Belitzki's Reducer 140
Blisters in Bromide Prints . . 471
To Prevent 341
Blue Prints, New Process for Ton-
ing 528
Blue-Black Tone in Prints . . 479
Bodleian Library Photographic
Scheme 145
Bookbinder's Art, Unique Speci-
mens of 436
Book Review 590
Bourrique, M. Theory of De-
velopment 304
Bradway, Ed. T. Illustration . 1
Brain Tumors and Photography 430
Bromide Paper, Developing En-
largements 42
Bromide Prints, Brown Tones . 40
Warm Tones in 475
Burdette, R. J. The Family
Photograph Album . 315
Burnham, Professor S. W. Pho-
tography in the Tropics 452
Burton, W. V. Mention of . . 585
Butterflies, Our 294
- C**AMERA, New French . . 138
The Terrible 338
In a Glass Eye 287
New Use of the 470
The First Portable . . . 496
Camera Club, London 137
New 339
Carbon Dyes 449
Carbutt, John. Diazotypes . . 90
Notice of 332
Orthochromatic Photogra-
phy 406

Celluloid, Photographs on . . .	79	Development, Energetic, With-	
Cement, A Good	580	out Fog	251
Cereus vs. Cacti	133	Diapositives from Engravings .	275
Cereus (The) in Its Glory, . .	339	Diazotype Processes	29
Chable, E. Contributions by .	109	Diazotypes. John Carbutt . .	90
Chromo-Photography	318	Double Albumenized Paper . .	32
Cloud Negatives	279	Drying Box	277
Cold Rolling	474	Dry Ferrotypes Process . . .	587
Color Photography, Latest Ex-		Dry Plates at Ten Cents per	
periments in	320	Dozen. E. Chable . . .	109
Collotype Process, New	273	E ARLY Researches in Action	
Complaint, A Well-Founded . .	580	of Light	161
Cope, Gilbert. Illustration by .	97	Eder, Dr. J. M. Early Researches	161
Copper, To Blacken	335	Supplementary Lighting . .	308
Correction, A	30	Notice of	538
Counterfeits, Photographic . .	583	Quotation from	54
Cramer, G. Notice of	336	Edison's Latest	338
Orthochromatic Photogra-		Editorial	34, 572
phy	400	Agar-Agar	427
Cresson, Dr. C. M. Experi-		"Witness My Last Act	
ments	159	and Deed"	481
Crystals, Liquid	581	Eggs, Facts About	38
Cyanotypes	278	Egg Farm, An Immense . . .	582
D AGUERRE Monument	136	Eikonogen. A. E. Pricam . .	151
Dark-Room Ventilation . . .	157	Electricity in Aluminium-Mak-	
Davis, Professor William M.		ing	15
Photography and Sci-		Elliott, Dr. H. H. Progress of	
ence Teaching	18	Photography	387, 419
Daylight Projection	578	Emerson, Dr. P. H. Notes on	
Dead Black	177	Perspective	369
Dead-Leaf Butterfly (Illustrated)	17	Ewell, Professor M. D. Limit	
Demole, E. Rapidity in Photo-		of Vision	467
graphy	9	Exhibition Philadelphia Photo-	
Detective Camera, Caught by .	418	graphic Society	129
Detective Photography	534	for the Sick	574
Developer, Orthochromatic . .	91	Experiences in Instantaneous	
Developed Prints, Permanence		Photography	364
of	212	F AC-SIMILE "Star-Spangled	
Developer, New Hydroquinone	231	Banner"	326
Pyro-Hydroquinone	232	Facts and Formulæ	40
Ixol	335	Faculty of Observation. J. Gale	62
H. P. Robinson	478	Family Photograph Album . .	315
Pyro-Eikonogen	535	Fenwick, E. T. Address by . .	168
Developing Enlargements on		Ferrous Oxalate, Preparation of	577
Paper	42	Ferrotypes Process, Dry . . .	587
Transparencies	43		

Fixing Bath	336
Fixed Focus	529
Flash-Light Picture	240
Fluorography	112
Focusing	59
Fourtier. Uranium	260
Frear, Prof. Wm. Mention of	580
Fuller, R. Clinton. Communica- tion by	133

G ALE, J. The Faculty of Ob- servation	62
General Notes	37
Genesis of Heliography	101
Glimpses for the Camera	272
Gold-Colored Allotropic Silver 217, 264	
Gold, Characteristics of,	469
Golfarelli, I. Mechanical Shut- ters	20
Grant, B., Esq. Notice of	339
Group, A Mammoth	531
Gundlach, Ernest. A New Pho- tographic Objective	374
Gutekunst, F. Mention of	588
Gypanthia. Notice of	333

H AIR, Individuality in	555
Halation	140
Hand Camera	341
Hand-Camera Work	351
Snap-Shots	433
Hand Grenades, Home-Made	536
Helena Camera Club	429
Heliography. D. Winstanley	73
Heliography, The Genesis of. Julius F. Sachse	101
Heliography	425
Helmholtz, Professor. Mention of	586
Henderson, J. W. Illustration by	444
Henry, W. Ethelb. Warm Tones in Bromide Prints	475
Hepworth, T. C. A New Use for the Optical Lantern	511
Hints for Beginners	397
from Practice	123
Holden, Professor. Notice of	38

Home, New, of Phila. Photo. Society	532
Hooke, Dr. Robert. Fac-simile	497
Humphery, E. J. Artistic Pho- tography	511
Hunting in Melville Bay	459
Hypo Baths, Old	122
Elimination of	280

ILLUSTRATION, Photogray-

ure. Edw. J. Bradway	1
Kallima Paralekta,	17
Wissahickon	49
Cleopatra. Process	65
February, 92; March, 144; April	189
Gilbert Cope	97
Scenes in Chester Valley	161
A Spring Flower	145
Portrait	291
Orizaba, Mexico	323
Hard-Rolled Copper	338
(Our) July	349
"Witness My Last Act and Deed"	
On Sylvan Banks	345
"Buy Any Catfish?"	394
Fairmount Park	444
Melville Bay	459
"Five O'Clock Tea"	491
The First Portable Cam- era, A.D. 1694	500
Portrait, Josef Petzval	539
The Victoria Water- Lily	571
March	144
Idol, Shattered	44
Ink for Stamping	85
Insects, Photographing Flying	448
Intensifier, Bromide of Cadmium	430
for Mechanical Processes	535
Uranium	431
Intensification and Permanence	522
Intensification. Dr. Mitchell	120
Non-Poisonous	140
Pyro	277
Uranium	58

- International Standard of Weights
and Measures 253
- In the Twilight Hour . 589, 452, 391,
440, 488, 45
- Iso-Vireur Paper 480
- Ivory, Artificial 487
- Ives, F. E. Latest Experiments 320
- Notice of 334, 457
- Mention of 556
- Photography in the Colors
of Nature 27
- Photographing Colors of
Nature . . . 65, 113, 184
- J**ACKSON, W. H. Notice of . 334
- Japan, Photographic Society
of 438, 585
- Jurisprudence, Photographic, in
Germany 12
- K**RIPS, Harrison. Illustration 291
- Kallima Paralekta (Illustrated) 17
- L**ABELING Bottles for Dark
Rooms 138
- Lainer, Alexander. Hydroquinone
Developer 231
- Lancaster (Penn.) Photo. Association 230
- Landscape Art 106
- Lantern Flashes 574
- Lantern-Slide Painting 432
- Lea, M. Carey. Gold-Colored
Allotropic Silver . 217, 264
- Leaves, How to Skeletonize . . 337
- Lens, M. Z. Brady's Stolen . . 439
- Lenses, Selection and Testing of 97
- Lens and Shutter Contest . . . 587
- Liesegang, Dr. Ed. Heliochromy 425
- Lighting in Portraiture 246
- Limit of Vision 467
- Lippman. Color Process . . . 130
- Photography in Colors . 180
- Color Photography 553
- Liquid Glue 179
- Literary and Business Notes . . 47,
95, 142, 192, 239, 343, 441-449,
- M**ADDOX, Dr. R. L. Appeal
for 586
- March of the Camera Men . . 460
- Matrimonial Advertisements . . 358
- Mechanical Shutters 20
- Miethe, Dr. A. Paper by . . . 251
- Meta-Bisulphite, a Preservative
of Eikonogen 11
- Metric System 334
- Microphone, Utility of 582
- Microscope, A Wonderful . . . 485
- Miller, C. W. Preparing Strong
Ferrous Oxalate 577
- Mitchell, Dr. Charles L. Notice
of 28
- Modern Photography, A Triumph
of 473
- Muybridge 278
- N**EW Orleans Camera Club . 333
- Nilwengowski, M. Gaston.
Telephotography . . . 356
- Notes from England. W. H.
Harrison 209
- Nude Art, Protest Against . . . 160
- O**BJECTIVE, Die Photographische 538
- Oklahoma, Art in 548
- Optical Magic Lantern Journal.
The 574
- Optical Projection 574
- Optics in Connection with Color
Photography 353
- Optical Lantern, New Use for . 511
- P**ATTERSON, Alfred. Photographic
Portraiture 198
- Panorama, Photographic . . . 588
- Paramidophenol 403
- Partridge, Edward J. Notice of . 428
- Patents, Photographic. January,
48; February, 96;
March, 144; April,
240; May, 289; June,

- 344; July, 392; August, 442; September, 490; October, 538; November, 590.
- Permanence of Developed Prints 212
- Permanence of Water Colors . 279
- Permanent Prints 424
- Perspective and Vision, Notes on 369
- Petzval, Dr. Josef. In Memoriam 539
- Photograph, Curious 39
- Photographers' Association of America 175
- Special Notice 289
- The Convention 345
- Annual Convention . . . 381
- Photographer, A Determined . 437
- Photographer's Hazardous Feat, A 366
- Photographic, A Case 597
- Comicalities 286
- Counterfeits, Protection Against, 583
- Development, The Latest 304
- Frauds 360
- Glass, New 432
- Photographic Hints and Formulae, 231, 275, 579, 430, 478, 535
- Photographic Jurisprudence . . 530
- Literature 291
- Novelty 77
- Objective, New 374
- Periodical, The 572
- Pictures on Celluloid . . 79
- Portraiture 198
- Progress, German . . . 582
- Proofs, Note 44
- Reproduction of Old MSS. 458
- Scissors and Paste, 284, 434, 484, 581
- Photographic Society of Philadelphia, 87, 117, 171, 233, 281, 328, 576
- Notice of 480
- Exhibition 39
- The New Home of . . . 532
- Photographic Transfers 479
- Photographing Birds 508
- a Kaiser 434
- Disasters 546
- Photographs as an Electioneering Device 533
- Permanence of 49
- on China 431
- Interesting 435
- in Natural Colors . . . 432
- Submarine 570
- to Transfer 139
- Why People Do Not Buy 435
- of Typhoid Germs . . . 159
- Photography, Dictionary of . . 8
- Ignis Fatuus of 324
- Illustrations of Poems by 409
- in Colors (Illustrated). M. Lippman 180
- in the Colors of Nature. F. E. Ives, 27, 65, 113, 184
- in the Colors of Nature 556
- and Forgery 583
- Latest Use of 178
- Mechanical Troubles in . 149
- by Moonlight 300
- New Use of 129
- Orthochromatic, 400, 406, 430
- Report on Progress in 387, 419
- and Science-Teaching . 18
- and Surveying 484
- Systematic, in Bohemia . 531
- in the Tropics. J. T. Rothrock 104
- in the Tropics 452
- Photo-Micrographic Atlas . . . 496
- Phototype Plates, Flexible . . 322
- Pittsburgh Camera Club . . . 240
- Plaque, The Gem 579
- Platinum Printing 472
- Process, Expiration of Patent 444
- Toning, Caution 588
- Toning 536
- Popoff, M. Lazar. Paper by . 556
- Porcelain, Photographs on . . . 224

Portrait, Philadelphia Photographic Co.	112
Portraiture, Photographic	198
Portraiture, Shadows in	295
The Origin of	356
Posing Hands	2
and Lighting, Originality in	445
and Composition	549
Preliminary, Secondary, and Supplemental Lighting	308
Pricam, A. E. Eikonogen	15
Prints, Carbon, Permanence of	49
Platinum, Permanence of	49
Silver, Permanence of	49
Printing on Wood	276
Plates, New Process for	471
Professional Enterprise	429
Projection, Daylight	578
Projecting the Spectrum	575
Protective Mimicry of Insects (Illustrated)	16

QUERIES and Answers, 46, 94, 143, 191, 238

RAPIDITY in Photography	9
Rare Metals, Price of	359
Rau, Wm. H. Illustration by	323
Notice of	473
Realistic Photography	494
Reducer, Belitzki	140
Retouching Fluid, New	43
Reversals of Negatives in Development	31
Robert Georges. A Preservative of Eikonogen	11
Robinson, H. P., Developer	478
Rolfe, J. Parker. Illustration by	145
Rothrock, Professor J. T.	222
Photography in the Tropics	104
Royal Amateur	283
Royalty and Photography	484
Royal Professional	285
Russian Photographer	284

SACHSE, Julius F. Photographic Jurisprudence in Germany	12
Protective Mimicry of Insects	16
Editorial	34
Translation by	49
The Genesis of Heliochromy	101
Photographic Scheme of Bodleian Library	145
Illustration by	161
The Latest Use of Photography	178
Illustration by	193
Why Business is Dull with Some Photographers	242
Translation by	308, 318
Photographic Frauds	360
Agar-Agar	394
Translation by	425
Reproduction of Old MSS.	458
The First Portable Camera	496
Josef Petzval	539
The Photographic Periodical	572
Salutatory	1
Schuylkill Camera Club	280
Scissors and Paste	338
Seaman, Professor William H. The Metric System	334
Experiences in Photography	364
Erratum	427
Carbon Dyes	449
Illustration by	571
Mention of	380
Sensitiveness, To Increase	124
Sensitive Paper, Permanent	154
Sharp, Dr. Benjamin. Illustration by	459
Hunting in Melville Bay	450
Sharp Photographer, A	581
Silvering Tray	579

- Skies and Landscapes 194
 Smith, Xanthus. Posing Hands 2
 Focusing 59
 Landscape Art 106
 Skies in Landscapes . . 194
 Sitting in Portraiture . . 246
 Shadows in Portraiture . 295
 Hand-Camera Work . . . 351
 Hints for Beginners . . . 397
 Originality in Posing and
 Lighting 445
 Realistic Photography . 494
 Posing and Composition 549
 Snappschotte, J. Focus. The Old
 Teamster 24
 Queries and Answers, . 46
 Turkeytown Camera Club,
 81, 125, 205
 Amateur Experiences.—
 XI. 256
 Wonderful Discovery of
 M. Bourrique 304
 A Trip to the Seashore . 416
 A Case Photographic . 567
 Soap, Antiseptic 579
 Stained Fingers, To Clean . . 535
 Stirling, Edmund. Paper by . 567
 Soleau, William L. Illustration
 by 491
 Spectro Lantern 575
 Spectrum, Projection of . . . 575
 Spirit Picture 285
 "Star-Spangled Banner." Fac-
 simile 326
 Stereoscopic Transparencies . . 6
 Stolen Lenses 501
 Stolze, Dr. F. Chromo-Photog-
 raphy 318
 Stripping Films 279
 Suggestion for Method of Identi-
 fying the Colors Photo-
 graphed (Illustrated). J.
 F. Sachse 202
TELEPHOTOGRAPHY . . . 356
 The Compass in the Watch 23
 The First Lens 140
 The Old Teamster 24
 Then and Now 196
 The Turkeytown Camera Club.
 J. Focus Snappschotte
 81, 125, 205
 Thwing, Charles B. Paper by 553
 Tin Alloy, New 579
 Toning Baths 122
 for Gelatino-Chloride
 Paper 124
 Cheap 478
 Transparencies, Developing . . 43
 Tropics, Photography in . . . 452
 Turpentine as Accelerator . . 275
 Twilight Hour, 93, 141, 190, 237,
 288, 537
URANIUM 260
 Uranium Intensifier . . 58
 Uniform Weights and Measures 331
VARNISH for Negatives . . 478
 Victoria Water-Lily (Illus.) 571
 Vienna International Exhibition 124
 Voigtländer Fr. Mention of . 542
WALES, Princess of. Men-
 tion of 581
 Wall, E. J. Translation by . . 161
 Wallace, Dr. Ellerslie. Stereo-
 scopic Transparencies 6
 The Selection of Lenses 97
 Mechanical Troubles in
 Photography 149
 Then and Now 196
 Background Incongruities 301
 Photography and Illus-
 trated Periodicals . . 491
 Photography of Disasters 546
 Warnerke, L. New Collotype
 Process 273
 Why Business is Dull with Some
 Photographers 242
 Why Leaves Change Color . . . 80
 Wilde, Fr. Permanence of Pho-
 tographs 49
 Wilkinson, W. T. Woodbury
 Type 225
 Winstanley, D. 73
 Wood, James F. Illustration by 394
 Wood, William B. Illustration by 49
 Woodbury Type for Amateurs . 225
YELLOW NEGATIVES . . . 431
 Yonkers Photographic Club 327